

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/537,562A
Source: PG
Date Processed by STIC: 6/5/06

ENTERED



PCT

RAW SEQUENCE LISTING DATE: 06/05/2006
PATENT APPLICATION: US/10/537,562A **TIME:** 08:56:32

Input Set : A:\9310-150.ST25.TXT
Output Set: N:\CRF4\06052006\J537562A.raw

base

3 <110> APPLICANT: Venema, Fokke
5 <120> TITLE OF INVENTION: Method for lowering both sequence variations and increase of
6 line effects in a diagnostic hybridisation assay, assay for
7 performing such a method and probe for use in the assay
9 <130> FILE REFERENCE: 9310-150
11 <140> CURRENT APPLICATION NUMBER: US 10/537,562A
C--> 12 <141> CURRENT FILING DATE: 2005-06-03
14 <150> PRIOR APPLICATION NUMBER: PCT/EP2003/013676
15 <151> PRIOR FILING DATE: 2003-12-02
17 <150> PRIOR APPLICATION NUMBER: EP 02080125.4
18 <151> PRIOR FILING DATE: 2002-12-03
20 <160> NUMBER OF SEQ ID NOS: 12
22 <170> SOFTWARE: PatentIn version 3.2
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 26
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Molecular beacon Ref
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <222> LOCATION: (1)..(26)
36 <223> OTHER INFORMATION: n = inosine
38 <400> SEQUENCE: 1
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43 <211> LENGTH: 26
44 <212> TYPE: DNA
45 <213> ORGANISM: Artificial
47 <220> FEATURE:
48 <223> OTHER INFORMATION: Molecular beacon Me-1
51 <220> FEATURE:
52 <221> NAME/KEY: misc_feature
53 <222> LOCATION: (1)..(26)
54 <223> OTHER INFORMATION: n = inosine;
56 <220> FEATURE:
57 <221> NAME/KEY: modified_base
58 <222> LOCATION: (4)..(5)
59 <223> OTHER INFORMATION: 2'-O-methyladenine
61 <220> FEATURE:
62 <221> NAME/KEY: modified_base
63 <222> LOCATION: (8)..(8)
64 <223> OTHER INFORMATION: 2'-O-methyladenine

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66 <220> FEATURE:
 67 <221> NAME/KEY: modified_base
 68 <222> LOCATION: (11)..(11)
 69 <223> OTHER INFORMATION: 2'-O-methyladenine
 71 <220> FEATURE:
 72 <221> NAME/KEY: modified_base
 73 <222> LOCATION: (18)..(18)
 74 <223> OTHER INFORMATION: 2'-O-methyladenine
 76 <220> FEATURE:
 77 <221> NAME/KEY: modified_base
 78 <222> LOCATION: (20)..(20)
 79 <223> OTHER INFORMATION: 2'-O-methyladenine
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 85 <210> SEQ ID NO: 3
 86 <211> LENGTH: 26
 87 <212> TYPE: DNA
 88 <213> ORGANISM: Artificial
 90 <220> FEATURE:
 91 <223> OTHER INFORMATION: Molecular beacon Me-2
 94 <220> FEATURE:
 95 <221> NAME/KEY: misc_feature
 96 <222> LOCATION: (1)..(26)
 97 <223> OTHER INFORMATION: n = inosine
 99 <220> FEATURE:
 100 <221> NAME/KEY: modified_base
 101 <222> LOCATION: (4)..(5)
 102 <223> OTHER INFORMATION: 2'-O-methyladenine
 104 <220> FEATURE:
 105 <221> NAME/KEY: modified_base
 106 <222> LOCATION: (7)..(7)
 107 <223> OTHER INFORMATION: 2'-O-methylguanine
 109 <220> FEATURE:
 110 <221> NAME/KEY: modified_base
 111 <222> LOCATION: (9)..(10)
 112 <223> OTHER INFORMATION: 2'-O-methylguanine
 114 <220> FEATURE:
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 116 <222> LOCATION: (11)..(11)
 117 <223> OTHER INFORMATION: 2'-O-methyladenine
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 121 <222> LOCATION: (13)..(13)
 122 <223> OTHER INFORMATION: 2'-O-methylguanine
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 126 <222> LOCATION: (16)..(16)
 127 <223> OTHER INFORMATION: 2'-O-methylguanine
 129 <220> FEATURE:

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132 <223> OTHER INFORMATION: 2'-O-methylguanine
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135 <221> NAME/KEY: modified_base
136 <222> LOCATION: (20)..(20)
137 <223> OTHER INFORMATION: 2'-O-methyladenine
139 <220> FEATURE:
140 <221> NAME/KEY: modified_base
141 <222> LOCATION: (23)..(24)
142 <223> OTHER INFORMATION: 2'-O-methylguanine
144 <400> SEQUENCE: 3/ /
W--> 145 atcaatgagg angctgcaga ntggga 26
148 <210> SEQ ID NO: 4
149 <211> LENGTH: 26
150 <212> TYPE: DNA
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153 <220> FEATURE:
154 <223> OTHER INFORMATION: Molecular beacon Me-7
157 <220> FEATURE:
158 <221> NAME/KEY: misc_feature
159 <222> LOCATION: (1)..(26)
160 <223> OTHER INFORMATION: n = inosine
162 <220> FEATURE:
163 <221> NAME/KEY: modified_base
164 <222> LOCATION: (5)..(5)
165 <223> OTHER INFORMATION: 2'-O-methyladenine
167 <220> FEATURE:
168 <221> NAME/KEY: modified_base
169 <222> LOCATION: (7)..(7)
170 <223> OTHER INFORMATION: 2'-O-methylguanine
172 <220> FEATURE:
173 <221> NAME/KEY: modified_base
174 <222> LOCATION: (9)..(10)
175 <223> OTHER INFORMATION: 2'-O-methylguanine
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178 <221> NAME/KEY: modified_base
179 <222> LOCATION: (11)..(11)
180 <223> OTHER INFORMATION: 2'-O-methyladenine
182 <220> FEATURE:
183 <221> NAME/KEY: modified_base
184 <222> LOCATION: (13)..(13)
185 <223> OTHER INFORMATION: 2'-O-methylguanine
187 <220> FEATURE:
188 <221> NAME/KEY: modified_base
189 <222> LOCATION: (16)..(16)
190 <223> OTHER INFORMATION: 2'-O-methylguanine
192 <220> FEATURE:
193 <221> NAME/KEY: modified_base

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194 <222> LOCATION: (18)..(18)
195 <223> OTHER INFORMATION: 2'-O-methyladenine
197 <220> FEATURE:
198 <221> NAME/KEY: modified_base
199 <222> LOCATION: (19)..(19)
200 <223> OTHER INFORMATION: 2'-O-methylguanine
202 <220> FEATURE:
203 <221> NAME/KEY: modified_base
204 <222> LOCATION: (20)..(20)
205 <223> OTHER INFORMATION: 2'-O-methyladenine
207 <220> FEATURE:
208 <221> NAME/KEY: modified_base
209 <222> LOCATION: (23)..(25)
210 <223> OTHER INFORMATION: 2'-O-methylguanine
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217 <211> LENGTH: 26
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Molecular beacon Ref2
224 <400> SEQUENCE: 5
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229 <211> LENGTH: 26
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231 <213> ORGANISM: Artificial
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Molecular beacon LNA1
237 <220> FEATURE:
238 <221> NAME/KEY: modified_base
239 <222> LOCATION: (1)..(1)
240 <223> OTHER INFORMATION: LNA nucleotide of adenine
242 <220> FEATURE:
243 <221> NAME/KEY: modified_base
244 <222> LOCATION: (15)..(15)
245 <223> OTHER INFORMATION: LNA nucleotide of thymine
247 <400> SEQUENCE: 6
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251 <210> SEQ ID NO: 7
252 <211> LENGTH: 26
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Molecular beacon LNA2
260 <220> FEATURE:
261 <221> NAME/KEY: modified_base
262 <222> LOCATION: (1)..(1)

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263 <223> OTHER INFORMATION: LNA nucleotide of adenine

265 <220> FEATURE:

266 <221> NAME/KEY: modified_base

267 <222> LOCATION: (11)..(11)

268 <223> OTHER INFORMATION: LNA nucleotide of adenine

270 <220> FEATURE:

271 <221> NAME/KEY: modified_base

272 <222> LOCATION: (15)..(15)

273 <223> OTHER INFORMATION: LNA nucleotide of thymine

275 <400> SEQUENCE: 7

276 atcaatgagg aagctgcaga atggga

26

279 <210> SEQ ID NO: 8

280 <211> LENGTH: 26

281 <212> TYPE: DNA

282 <213> ORGANISM: Human immunodeficiency virus type 1

284 <400> SEQUENCE: 8

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26

288 <210> SEQ ID NO: 9

289 <211> LENGTH: 26

290 <212> TYPE: DNA

291 <213> ORGANISM: Human immunodeficiency virus type 1

293 <400> SEQUENCE: 9

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26

297 <210> SEQ ID NO: 10

298 <211> LENGTH: 26

299 <212> TYPE: DNA

300 <213> ORGANISM: Human immunodeficiency virus type 1

302 <400> SEQUENCE: 10

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26

306 <210> SEQ ID NO: 11

307 <211> LENGTH: 26

308 <212> TYPE: DNA

309 <213> ORGANISM: Human immunodeficiency virus type 1

311 <400> SEQUENCE: 11

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26

315 <210> SEQ ID NO: 12

316 <211> LENGTH: 26

317 <212> TYPE: DNA

318 <213> ORGANISM: Human immunodeficiency virus type 1

320 <400> SEQUENCE: 12

321 atcaatgagg aagcggcaga ttggga

26

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/05/2006
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 12,21
Seq#:2; N Pos. 12,21
Seq#:3; N Pos. 12,21
Seq#:4; N Pos. 12,21

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7

VERIFICATION SUMMARY

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0

L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0

L:145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0

L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0